

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/DK 03/00538

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07D453/02 A61K31/439 A61P25/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07D A61K A61P

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, CHEM ABS Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 589 477 A (CHOKAI SHOICHI ET AL) 31 December 1996 (1996-12-31) claims	1-36
X	WO 98 15551 A (COURTEMANCHE GILLES ;BOVY PHILIPPE (FR); EVEN LUC (FR); SYNTHELABO) 16 April 1998 (1998-04-16) claims page 9	1-36
X	WO 99 31097 A (COURTEMANCHE GILLES ;SANOFI SYNTHELABO (FR); BOVY PHILIPPE R (FR);) 24 June 1999 (1999-06-24) claims page 15, line 4 - line 10 -/--	1-36

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

12 November 2003

Date of mailing of the international search report

12 12 2003

Name and mailing address of the ISA

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 998 404 A (WARD JOHN S ET AL) 7 December 1999 (1999-12-07) examples ---	1-36
X	US 5 646 289 A (ALT CHARLES A ET AL) 8 July 1997 (1997-07-08) examples ---	1-36
X	US 5 763 457 A (BYMASTER FRANKLIN P ET AL) 9 June 1998 (1998-06-09) column 12; claims ---	1-36
X	US 5 852 037 A (BYMASTER FRANKLIN P ET AL) 22 December 1998 (1998-12-22) claims ---	1-36
X	WO 98 27983 A (SAUERBERG PER ;NOVONORDISK AS (DK); HANSEN KRISTIAN TAGE (DK)) 2 July 1998 (1998-07-02) examples ---	1-4,8,9
X	DATABASE STN INTERNATIONAL [Online] File ZCAPLUS, ZCAPLUS accession no. 1996:509522, Document no. 125:167796; YAMANOUCHI PHARMA CO LTD: "Preparation of quinuclidine derivatives as squalene synthase inhibitors" XP002261104 abstract & JP 08 134067 A 28 May 1996 (1996-05-28) -----	1-4, 13-18

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/DK 03/00538

## Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.: 36  
because they relate to subject matter not required to be searched by this Authority, namely:  
see FURTHER INFORMATION sheet PCT/ISA/210
2. ☒ Claims Nos.: 1-4  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:  
see FURTHER INFORMATION sheet PCT/ISA/210
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

### Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.  
☐ No protest accompanied the payment of additional search fees.

## FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

## Continuation of Box I.1

Claims Nos.: 36

Claim 36 relate to methods of treatment of the human or animal body by surgery or by therapy or diagnostic methods practised on the human or animal body (PCT Rule 39.1(iv)). Nevertheless, a search has been executed for this claim. The search has been based on the alleged effects of the compounds or compositions.

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## Continuation of Box I.2

Claims Nos.: 1-4

The initial phase of the search revealed a very large number of documents relevant to the issue of novelty. So many documents were retrieved that it is impossible to determine which parts of the claims may be said to define subject-matter for which protection might legitimately be sought (Article 6 PCT). For these reasons, a meaningful search over the whole breadth of the claims is impossible.

Consequently, the search has been restricted to:  
The compounds covered by claims 5-25 that are modulators of the receptors mentioned in page 1, lines 33-39 in the application.

The applicant's attention is drawn to the fact that claims, or parts of claims, relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure.

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/DK 03/00538

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5589477	A	31-12-1996	AU 8405991 A CA 2090027 A1 CN 1059908 A EP 0555478 A1 WO 9204333 A1	30-03-1992 01-03-1992 01-04-1992 18-08-1993 19-03-1992
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WO 9931097	A	24-06-1999	FR 2772378 A1 AU 1566499 A WO 9931097 A1	18-06-1999 05-07-1999 24-06-1999
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# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/DK 03/00538

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 5852037	A	WO 9717962 A1	22-05-1997
WO 9827983	A	02-07-1998 AU 7871498 A	17-07-1998
		WO 9827983 A1	02-07-1998
JP 08134067	A	28-05-1996 NONE	